

SEQUENCE LISTING

<110> Kinch, Michael S.

<120> DIAGNOSIS OF PRE-CANCEROUS CONDITIONS
AND USING PCDGF AGENTS

<130> 10271-131-999

<140> To be assigned (National Stage of PCT/US04/23191)

<141> 2004-07-16 (371c date)

<150> 60/489,035

<151> 2003-07-21

<160> 44

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<223> an epitope in a PCDGF K19T peptide

<400> 1

Lys Lys Val Ile Ala Pro Arg Arg Leu Pro Asp Pro Gln Ile Leu Lys

1

5

10

15

Ser Asp Thr

<210> 2

<211> 14

<212> PRT

<213> Homo Sapiens

<220>

<223> S14R peptide

<400> 2

Ser Ala Arg Gly Thr Lys Cys Leu Arg Lys Lys Ile Pro Arg

1

5

10

<210> 3

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<223> E19V peptide

<400> 3

Glu Lys Ala Pro Ala His Leu Ser Leu Pro Asp Pro Gln Ala Leu Lys

1

5

10

15

Arg Asp Val

<210> 4
 <211> 15
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> linker sequences inserted between identical VH and VL domains

 <400> 4
 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 1 5 10 15

 <210> 5
 <211> 15
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> linker sequences inserted between identical VH and VL domains

 <400> 5
 Glu Ser Gly Arg Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
 1 5 10 15

 <210> 6
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> linker sequences inserted between identical VH and VL domains

 <400> 6
 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr
 1 5 10

 <210> 7
 <211> 15
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> linker sequences inserted between identical VH and VL domains

 <400> 7
 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Ser Thr Gln
 1 5 10 15

 <210> 8
 <211> 14
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> linker sequences inserted between identical VH and VL domains

<400> 8
Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
1 5 10

<210> 9
<211> 14
<212> PRT
<213> Homo sapiens

<220>
<223> linker sequences inserted between identical VH and VL domains

<400> 9
Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys Gly
1 5 10

<210> 10
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<223> linker sequences inserted between identical VH and VL domains

<400> 10
Lys Glu Ser Gly Ser Val Ser Ser Glu Gln Leu Ala Gln Phe Arg Ser
1 5 10 15
Leu Asp

<210> 11
<211> 16
<212> PRT
<213> Homo sapiens

<220>
<223> linker sequences inserted between identical VH and VL domains

<400> 11
Glu Ser Gly Ser Val Ser Ser Glu Glu Leu Ala Phe Arg Ser Leu Asp
1 5 10 15

<210> 12
<211> 4
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to endoplasmic reticulum

<400> 12
Lys Asp Glu Leu
1

<210> 13

<211> 4
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to endoplasmic reticulum

 <400> 13
 Asp Asp Glu Leu
 1

 <210> 14
 <211> 4
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to endoplasmic reticulum

 <400> 14
 Asp Glu Glu Leu
 1

 <210> 15
 <211> 4
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to endoplasmic reticulum

 <400> 15
 Gln Glu Asp Leu
 1

 <210> 16
 <211> 4
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to endoplasmic reticulum

 <400> 16
 Arg Asp Glu Leu
 1

 <210> 17
 <211> 7
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to nucleus

 <400> 17
 Pro Lys Lys Lys Arg Lys Val

1

5

<210> 18

<211> 7

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleus

<400> 18

Pro Gln Lys Lys Ile Lys Ser

1

5

<210> 19

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleus

<400> 19

Gln Pro Lys Lys Pro

1

5

<210> 20

<211> 4

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleus

<400> 20

Arg Lys Lys Arg

1

<210> 21

<211> 5

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleus

<400> 21

Lys Lys Lys Arg Lys

1

5

<210> 22

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleolar region

<400> 22

Arg Lys Lys Arg Arg Gln Arg Arg Arg Ala His Gln
1 5 10

<210> 23

<211> 16

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleolar region

<400> 23

Arg Gln Ala Arg Arg Asn Arg Arg Arg Arg Trp Arg Glu Arg Gln Arg
1 5 10 15

<210> 24

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to nucleolar region

<400> 24

Met Pro Leu Thr Arg Arg Arg Pro Ala Ala Ser Gln Ala Leu Ala Pro
1 5 10 15
Pro Thr Pro

<210> 25

<211> 15

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to endosomal compartment

<400> 25

Met Asp Asp Gln Arg Asp Leu Ile Ser Asn Asn Glu Gln Leu Pro
1 5 10 15

<210> 26

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to mitochondrial matrix

<220>

<221> VARIANT

<222> 7, 8, 32

<223> Xaa = Any Amino Acid

<400> 26
Met Leu Phe Asn Leu Arg Xaa Xaa Leu Asn Asn Ala Ala Phe Arg His
1 5 10 15
Gly His Asn Phe Met Val Arg Asn Phe Arg Cys Gly Gln Pro Leu Xaa
20 25 30

<210> 27
<211> 3
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to peroxisome

<400> 27
Ala Lys Leu
1

<210> 28
<211> 6
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to trans golgi network

<400> 28
Ser Asp Tyr Gln Arg Leu
1 5

<210> 29
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 29
Gly Cys Val Cys Ser Ser Asn Pro
1 5

<210> 30
<211> 8
<212> PRT
<213> Homo sapiens

<220>
<223> localization signal used to direct intrabody to plasma membrane

<400> 30
Gly Gln Thr Val Thr Thr Pro Leu
1 5

<210> 31

<211> 8
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to plasma membrane

 <400> 31
 Gly Gln Glu Leu Ser Gln His Glu
 1 5

 <210> 32
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to plasma membrane

 <400> 32
 Gly Asn Ser Pro Ser Tyr Asn Pro
 1 5

 <210> 33
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to plasma membrane

 <400> 33
 Gly Val Ser Gly Ser Lys Gly Gln
 1 5

 <210> 34
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to plasma membrane

 <400> 34
 Gly Gln Thr Ile Thr Thr Pro Leu
 1 5

 <210> 35
 <211> 8
 <212> PRT
 <213> Homo sapiens

 <220>
 <223> localization signal used to direct intrabody to plasma membrane

 <400> 35

Gly Gln Thr Leu Thr Thr Pro Leu
1 5

<210> 36

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 36

Gly Gln Ile Phe Ser Arg Ser Ala
1 5

<210> 37

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 37

Gly Gln Ile His Gly Leu Ser Pro
1 5

<210> 38

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 38

Gly Ala Arg Ala Ser Val Leu Ser
1 5

<210> 39

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> localization signal used to direct intrabody to plasma membrane

<400> 39

Gly Cys Thr Leu Ser Ala Glu Glu
1 5

<210> 40

<211> 16

<212> PRT

<213> Homo sapiens

<220>
 <223> membrane permeable sequence
 <400> 40
 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
 1 5 10 15

<210> 41
 <211> 12
 <212> PRT
 <213> Homo sapiens

<220>
 <223> membrane permeable sequence

<400> 41
 Ala Ala Val Leu Leu Pro Val Leu Leu Ala Ala Pro
 1 5 10

<210> 42
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <223> membrane permeable sequence

<400> 42
 Val Thr Val Leu Ala Leu Gly Ala Leu Ala Gly Val Gly Val Gly
 1 5 10 15

<210> 43
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> antisense molecule directed to PCDGF

<400> 43
 ggggtccacat ggtctgcctg c 21

<210> 44
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> antisense molecule directed to PCDGF

<400> 44
 gccaccagcc ctgctgttaa ggcc 24